Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/12/2016 02:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125334	0	1.19	125211	1.14
Blue	F	SSC	125000	123349	-2	2.77	124262	2.53
Blue	E	FITC	17224	16767	-3	2.35	950	8.18
Blue	D	PE	22462	21946	-3	1.94	992	7.64
Blue	B	PerCP-Cy5-5	63940	63283	-2	2.59	1669	12.27
Blue	A	PE-Cy7	72480	70740	-3	3.61	931	23.22
Red	C	APC	63778	62807	-2	2.38	3536	7.78
Red	A	APC-Cy7	97254	97123	-1	2.48	1926	7.58
Violet	B	V450	10730	10498	-3	3.26	651	7.49
Violet	A	V500	42147	40845	-4	2.82	2309	5.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20158	1.53	581	-39	N/A	N/A	Pass
Blue	F	SSC	61821	1.65	505	-22	N/A	N/A	Pass
Blue	E	FITC	103	32.95	512	-27	0.0300	120	Pass
Blue	D	PE	206	23.02	506	-26	0.1891	123	Pass
Blue	B	PerCP-Cy5-5	206	36.83	589	-25	0.0128	1	Pass
Blue	A	PE-Cy7	70	91.65	643	-30	0.0171	10	Pass
Red	C	APC	336	24.96	574	-10	0.0230	2	Pass
Red	A	APC-Cy7	123	36.72	557	-8	0.0052	900	Pass
Violet	B	V450	69	38.37	446	-28	0.0549	1740	Pass
Violet	A	V500	152	20.04	474	-29	0.0178	223	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.24	-31.10	0.82
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.28
Red	16.29	13.09 - 19.63	N/A	N/A	31.80	31.90	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9652

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments